

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions of the claims and listing of the claims in the application:

1. **(Currently Amended)** An isolated DNA encoding a protein whose deletion of function causes an increase in the glumous flowers, fruits, or seeds of a plant, wherein the DNA is any one of (a) to (c) ~~(d)~~:
 - (a) a DNA encoding a protein comprising the amino acid sequence of SEQ ID NO: 3;
 - (b) a DNA consisting of ~~a~~ the coding region of the nucleotide sequence of SEQ ID NO: 1;
 - (c) a DNA comprising a coding region comprising the nucleotide sequence of SEQ ID NO: 2; ~~and~~
 - ~~(d) a DNA encoding a protein which has 95% identity to the amino acid sequence as set forth in SEQ ID NO: 3 and the deletion of function of the protein set forth in SEQ ID NO: 3 results in an increase in the glumous flowers, fruits, or seeds of a plant.~~
2. **(Previously Presented)** The DNA of claim 1, wherein the DNA is isolated from rice.
3. **(Previously Presented)** An isolated DNA encoding an RNA fully complementary to a transcript of the DNA of claim 1.
- 4-5. **(Canceled)**
6. **(Previously Presented)** A vector comprising the DNA of any one of claims 1, 2, or 3.
7. **(Previously Presented)** A host cell transformed with the vector of claim 6.
8. **(Previously Presented)** A plant cell transformed with the vector of claim 6.
9. **(Previously Presented)** A transformed plant comprising the plant cell of claim 8.

10. **(Previously Presented)** A transformed plant that is an offspring or a clone of the transformed plant of claim 9.

11. **(Previously Presented)** A transgenic reproductive material of the transformed plant of claim 9.

12. **(Previously Presented)** A method for producing a transformed plant, wherein the method comprises the steps of introducing the DNA of any one of claims 1, 2, or 3 into a plant cell, and regenerating a plant from said plant cell.

13-15. **(Canceled)**

16. **(Currently Amended)** An isolated polynucleotide comprising at least 15 continuous nucleotides that are fully complementary to the coding region of the nucleotide sequence of SEQ ID NO: 1 or the nucleotide sequence of SEQ ID NO: 2, or a fully complementary sequence thereof.

17. **(Canceled)**

18. **(Previously Presented)** An agent for changing the number of glumous flowers, fruits, or seeds of a plant, wherein the agent comprises the DNA of claim 1 as an active ingredient.

19. **(Canceled)**